

Appl. No 10/849,735

Amdt. Dated 08/05/2005

Reply to Office action of 06/29/2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

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Listing of Claims:

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1. (Currently amended) A fiber-optic transmitting and receiving device comprising a transmitting and receiving head and a metal board, the transmitting and receiving head being formed with a plurality of optic-transmitting legs, plural independent feet and a groove[,] for insertion of the metal board ~~inserted in the groove~~ , and the metal board being formed with at least a metal tip; wherein:

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the transmitting and receiving head, ~~at a position of which corresponding to the groove,~~ is formed with a Π -shaped socket that is located correspondingly to the groove, the transmitting and receiving head is further formed with a recess ~~corresponding to the optic-transmitting legs~~, on both sides of the Π -shaped socket and in the recess ~~are respectively provided with~~ is formed at least a projection;

a cover is ~~a~~ made of non-conductive plastic cover, is provided on its outer periphery ~~of which is provided~~ with a plurality of bent arms, ~~the bent arms respectively correspond to the both sides of~~ to be engaged in the Π -shaped socket and the recess of the transmitting and receiving head, the
5 respective bent arms are ~~locked with the projection via~~ formed with a locking aperture for engaging the projection of the transmitting and receiving head, the cover fully ~~and closely~~ covers the metal board of the transmitting and receiving head[,] and ~~the cover is formed with~~ a plurality of inserting holes at ~~a position corresponding to~~ for insertion of the optic-transmitting legs and the
10 metal tip of the transmitting and receiving head, ~~the respective inserting holes firmly abut an outer periphery of the optic-transmitting legs and the metal tip.~~

2. The fiber-optic transmitting and receiving device as claimed in claim 1, wherein an inserting groove ~~corresponding to~~ for insertion of the metal board of the transmitting and receiving head is formed on an inner wall
15 of the cover, ~~so as to enable the cover to tightly cover the Π -shaped socket.~~

3. The fiber-optic transmitting and receiving device as claimed in claim 1, wherein the cover is formed on the periphery thereof with inclined locking surface which enables the cover to be easily covered on the transmitting and receiving head.

20 4. The fiber-optic transmitting and receiving device as claimed in claim 1, wherein the inserting holes is formed on [the] its inner periphery with inclined locking surface which enables the optic-transmitting legs and the metal tips to be easily inserted through the inserting holes more smoothly.

5. The fiber-optic transmitting and receiving device as claimed in claim 1, wherein:

the transmitting and receiving head is formed with plural sockets that ~~correspond to~~ for insertion of connecting elements inside the transmitting and receiving head, the sockets are in communication with plural mounting holes formed on another side of the transmitting and receiving head, a retaining hole is formed on an inner wall of the respective sockets and ~~open outward, a position of the retaining hole corresponds~~ is located correspondingly to the height [where] that the sockets to be positioned;

the plural independent feet are integrally formed bent members ~~integrally formed~~ and made of metal material, a first end of the respective independent feet is a connecting end and ~~a second end of which is provided with an abutting block~~, a check retainer is protruded out of a surface of the first end and located adjacent to a [the] U-shaped bent portion of the respective independent feet, and the U-shaped bent portion of the independent feet is inserted in the sockets of the transmitting and receiving head [while], the connecting end ~~inserting~~ is inserted in the mounting holes and the check retainer ~~inserting~~ is inserted in the retaining hole of the sockets.

6. The fiber-optic transmitting and receiving device as claimed in claim 5, wherein an abutting block is provided on each of the independent feet and serves to insert in the sockets of the transmitting and receiving head.